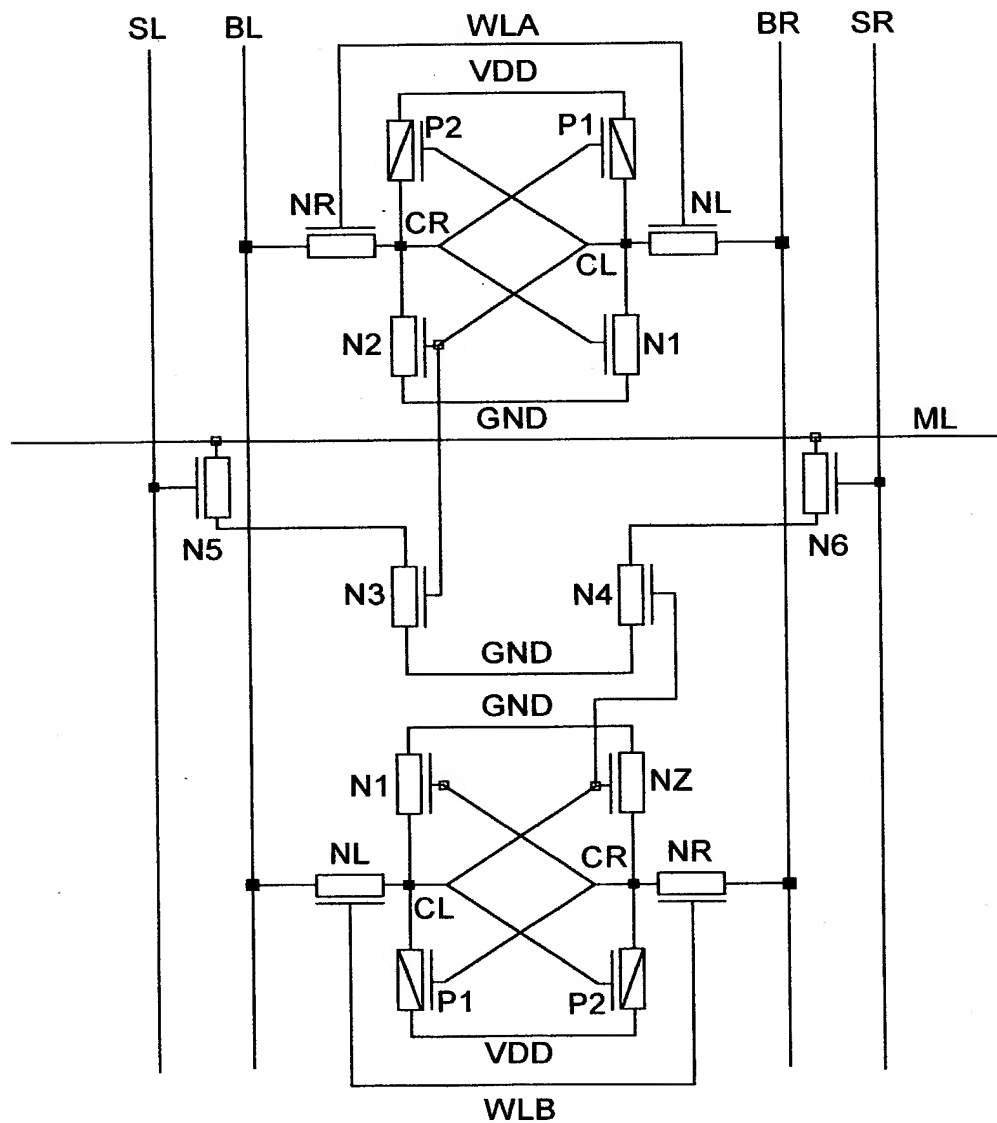




CAM cell schematics NFET passgate

FIG. 1

CELL A	CELL B	
0	0	DON'T CARE
0	1	ZERO
1	0	ONE
1	1	MISMATCH ALWAYS



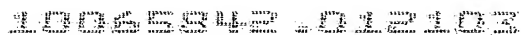
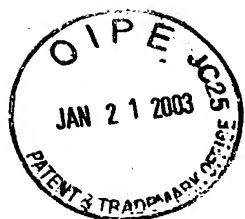


FIG. 1B

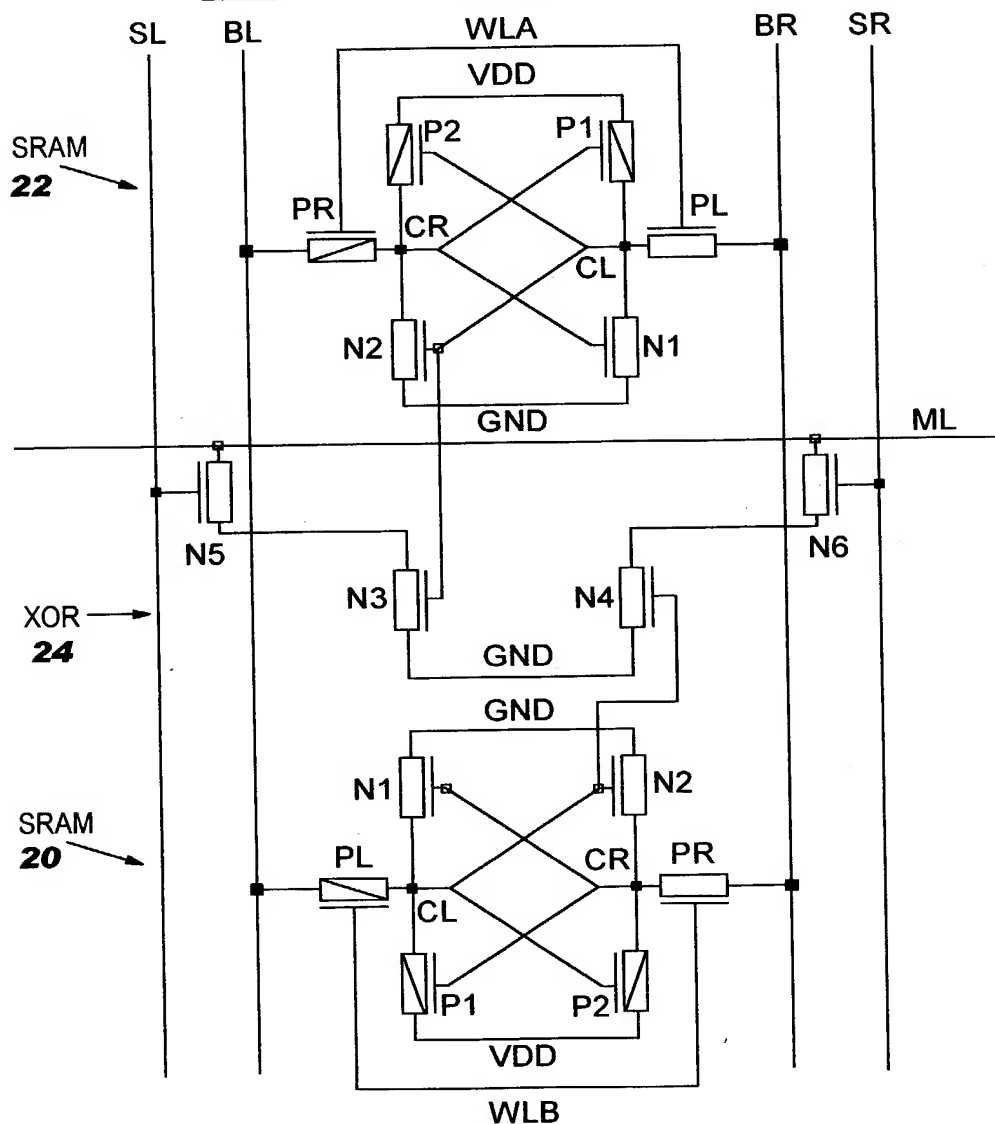


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PFET passgate
CAM cell schematics

FIG. 2A

CELL A	CELL B	
0	0	DON'T CARE
0	1	ZERO
1	0	ONE
1	1	MISMATCH ALWAYS



P-passgate CAM $2.0 \times 3.9 = 7.80$
N-Passgate CAM $3.1 \times 3.1 = 9.61$

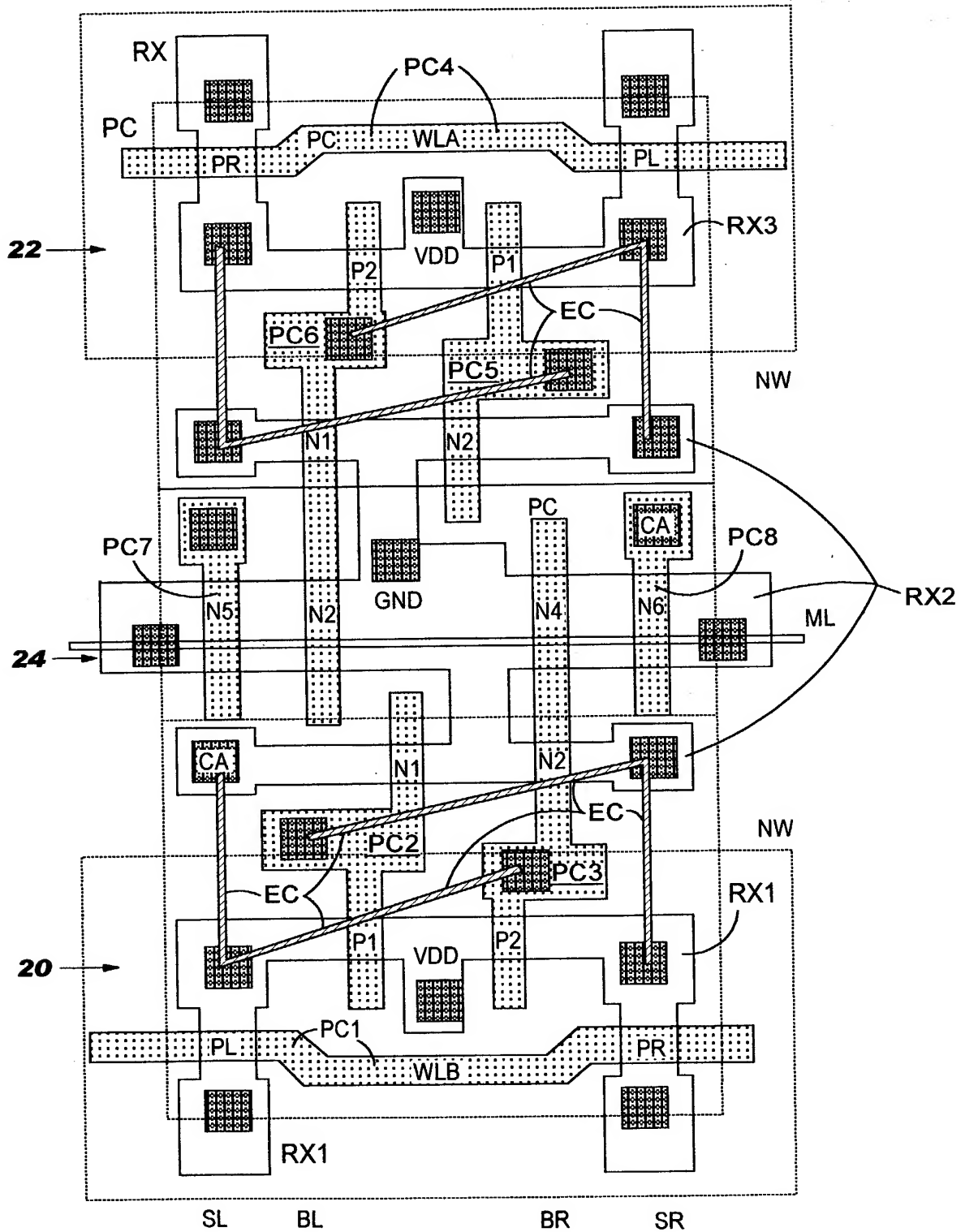


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CAM cell with PFET Passgates FIG. 2B

2.0x3.9=7.8





CAM Cell with PFET Passgates FIG. 2C

Wiring : CA-M1-V1-M2-V2-M3

